

DATA FLOW BETWEEN A COMMUNICATION UNIT AND A NODE WITHIN  
A MOBILE NETWORK

**Abstract**

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A method of transmitting at least one data packet from a communication node in a data communication network. The method includes receiving (920) a request at a communication node, to transmit at least one data packet  
10 to a first destination address and searching (930) for the (first) destination address in a cache of the communication node. A determination (960) of an intermediary address of the destination address is made. The destination address is then replaced with the  
15 intermediary address and the steps of searching, determining and replacing are repeated, until no new intermediary address is found. The at least one data packet is then transmit (970) to the destination address via the identified intermediary address(es).

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A communication unit (corresponding node) communication message and method for building a linked binding cache are also described.

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In this manner, an optimised data path is determined in order to send at least one data packet to an intended recipient, for example in a nested mobile network scenario.

(FIG. 6 to accompany abstract)

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